

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 101117-1 WO	<b>FOR FURTHER ACTION</b> see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/GB2004/002564	International filing date (day/month/year) 14/06/2004	(Earliest) Priority Date (day/month/year) 17/06/2003
Applicant  ASTRAZENECA AB		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 5 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. **Basis of the report**

- a. With regard to the **language**, the International search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established by this Authority to read as follows:

CHINAZOLINE DERIVATIVES AS AURORA KINASE INHIBITORS

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regards to the **drawings**,

- a. the figure of the **drawings** to be published with the abstract is Figure No. \_\_\_\_\_

☐ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

- b. ☐ none of the figures is to be published with the abstract.

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB2004/002564

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D403/12 C07D403/14 C07D401/14 A61K31/517 A61K31/4192  
A61P35/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07D A61K A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, EMBASE, MEDLINE, BIOSIS, BEILSTEIN Data, CHEM ABS Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02/00649 A (JUNG FREDERIC ; MORTLOCK ANDREW (GB); ASTRAZENECA AB (SE)) 3 January 2002 (2002-01-03) cited in the application examples; claims 1-9, 13-16	1-20
Y	WO 01/21597 A (ASTRAZENECA UK LTD ; KEEN NICHOLAS JOHN (GB); MORTLOCK ANDREW AUSTEN ( ) 29 March 2001 (2001-03-29) cited in the application page 22, lines 7-12; claims 1,25,27-30; examples 65,66	1-20
Y	WO 03/000188 A (METCALF CHESTER A III ; SHAKESPEARE WILLIAM C (US); SAWYER TOMI K (US)) 3 January 2003 (2003-01-03) examples; claims 1, 123, 126-130	1-20
	----- -/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the International filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the International filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*G\* document member of the same patent family

Date of the actual completion of the International search

15 November 2004

Date of mailing of the International search report

23/11/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

vanVoorsttotVoorst,M

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB2004/002564

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, Y	WO 03/055491 A (JUNG FREDERIC HENRI ; PASQUET GEORGES RENE (FR); ASTRAZENECA UK LTD (G) 10 July 2003 (2003-07-10) examples, claims 1-16 -----	1-20
BEST AVAILABLE COPY		

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/GB2004/002564

### Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 18  
because they relate to subject matter not required to be searched by this Authority, namely:  
Although claim 18 is directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

### Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

#### Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

BEST AVAILABLE COPY

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB2004/002564

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0200649	A	03-01-2002	AU 6650501 A	08-01-2002
			BG 107376 A	30-09-2003
			BR 0111754 A	29-04-2003
			CA 2412592 A1	03-01-2002
			CZ 20024120 A3	12-03-2003
			EE 200200715 A	16-08-2004
			EP 1299381 A1	09-04-2003
			HU 0301236 A2	28-10-2003
			JP 2004501914 T	22-01-2004
			NO 20026010 A	13-12-2002
			NZ 522696 A	27-08-2004
			PL 360439 A1	06-09-2004
			WO 0200649 A1	03-01-2002
			SK 18102002 A3	01-07-2003
			US 2003187002 A1	02-10-2003
			ZA 200209412 A	19-02-2004
WO 0121597	A	29-03-2001	AU 762697 B2	03-07-2003
			AU 7301900 A	24-04-2001
			BG 106526 A	31-10-2002
			BR 0014137 A	21-05-2002
			CA 2384296 A1	29-03-2001
			CN 1391563 T	15-01-2003
			CZ 20021008 A3	12-06-2002
			EE 200200118 A	15-04-2003
			EP 1218355 A1	03-07-2002
			WO 0121597 A1	29-03-2001
			HU 0300205 A2	28-05-2003
			JP 2003509500 T	11-03-2003
			NO 20021400 A	06-05-2002
			PL 354870 A1	08-03-2004
			SK 3872002 A3	03-12-2002
			TR 200200717 T2	21-06-2002
			ZA 200202232 A	19-06-2003
WO 03000188	A	03-01-2003	EP 1408980 A2	21-04-2004
			WO 03000188 A2	03-01-2003
			US 2003100573 A1	29-05-2003
WO 03055491	A	10-07-2003	CA 2471577 A1	10-07-2003
			EP 1463506 A1	06-10-2004
			WO 03055491 A1	10-07-2003

BEST AVAILABLE COPY